CLAIMS

1. A hose comprising hard synthetic resin reinforcement materials spirally fed and having, on both sides of the top part thereof in the tube axial direction, receiving surfaces positioned on the radial inner side toward the end part thereof and a soft synthetic resin hose body for covering the spirally fed reinforcement materials, wherein the reinforcement materials are spirally fed in the state of the top parts being positioned on the radial outer side thereof, a soft synthetic resin tape material is fed to the fed reinforcement materials, and while covering parts projected in a generally arc shape to the center of the hose are formed between the reinforcement materials, the tape material is fixed to the surfaces of the reinforcement materials by melting the tape material or with an adhesive agent, and thus the hose body having a generally flat inner surface and formed in a generally circular shape in cross section can be provided.

2. The hose according to claim 1, wherein the receiving surface of the reinforcement material is made flat and the angle formed by the flat bottom surface and the receiving surface of the reinforcement material is set within a range of 30 to 80 degrees.

3. The hose according to claim 1 or 2, wherein the tape material has a width of approximately one pitch extending over

two reinforcement materials adjacent to each other in the longitudinal direction of the hose body, and the hose body is formed by melt-welding tape materials adjacent to each other in the longitudinal direction of the hose body in a partly overlapped state to the reinforcement material.

4. The hose according to claim 1 or 3, wherein the receiving surface constituting the inner surface of the hose and extending from the angular parts on the both sides to top part on the bottom surface of the reinforcement material are formed in such a manner as to become a curved surface along the inside surface of the covering part projected in a circular shape.

5. The hose according to any one of claims 1 to 4, wherein the dimension of the bottom surface of the reinforcement material in the hose axial direction is set to be smaller than that of the covering part positioned between the reinforcement materials in the hose axial direction.

6. The hose according to any one of claims 1 to 4, wherein the dimension of the bottom of the reinforcement material in the hose axial direction is set to be larger than that of the covering part positioned between the reinforcement materials in the hose axial direction.

7. The hose according to any one of claims 1 to 4, wherein the dimension of the bottom of the reinforcement material in the hose axial direction is set to be the same as that of the

covering part positioned between the reinforcement materials in the hose axial direction.

8. The hose according to any one of claims 1 to 7, wherein the inside surface of the hose may be formed substantially flat by covering the bottom surface of the reinforcement material and the inner surface of the covering part with a soft resin lower in hardness than the tape material.

9. The hose according to any one of claims 1 to 8, wherein the reinforcement material is halved into inner and outer parts in the direction of the radius of the hose, the outer half part along the radius of the hose is formed from a hard synthetic resin and the inner half part along the radius of the hose is formed from a soft synthetic resin.

10. The hose according to any one of claims 1 to 9, wherein the tape material is EVA resin and the reinforcement material is polyethylene.